



Willamette Valley Company
 660 McKinley Street
 P.O. Box 2280
 Eugene, OR 97402
 = 541 484-9621
 FAX 541 343-6376

Material Safety Data Sheet

0

MAXCAST™ CE-80HP RESIN

Page : 1

Original Date: 03/08/1994

Revision Date: 03/19/1997

DISTRIBUTED BY: Willamette Valley Co.
 PO Box 2280
 Eugene OR 97402
 (541) 484-9621

Emergency Telephone: (800) 535-5053

AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.
 SECTION 1 - PRODUCT INFORMATION

MAXCAST™ CE-80HP RESIN

Product ID: 101010095

Common Chemical Name:

URETHANE SYSTEM RESIN COMPONENT

Synonyms:

NONE

Molecular Formula:

MIXTURE

Chemical Family: Not Applicable

Molecular Wt.: NOT ESTABLISHED

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount	
POLYOL	PROPRIETARY	90.0	%
PEL/TLV NOT ESTABLISHED			
1,3-BENZENEDIAMINE, 2 (OR 4)-METH()	106264-79-3	15.0	%
YL-4,6 (OR 2,6)-BIS(METHYLTHIO)-			
PEL/TLV NOT ESTABLISHED			
DRYING AGENT	PROPRIETARY	1.0	%
PEL/TLV NOT ESTABLISHED			

SECTION 3 - PHYSICAL PROPERTIES

Color:	Brown				
Form/Appearance:	Liquid				
Odor:	Pungent				
Odor Intensity:	Moderate				
	Typical	Low/High	U.O.M.		
Specific Gravity:	1.02		@	25	DEG C
Viscosity:	565		CENTIPOISE @	27	DEG.
pH:	NOT AVAILABLE				
	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:	NOT AVAILABLE				
Freezing Pt:	25		C	1	ATMOSPHERES
Decomp. Temp:	NOT AVAILABLE				



Willamette Valley Company
660 McKinley Street
P.O. Box 2280
Eugene, OR 97402
☎ 541 484-9621
FAX 541 343-6376

Material Safety Data Sheet

W V C O

MAXCAST™ CE-80HP RESIN

Product ID: 101010095

Page : 2

SECTION 3 - PHYSICAL PROPERTIES (cont)

Solubility in Water Description: Slightly Soluble
pH: Basic

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:	100			C TAG OPEN CUP

Autoignition: NOT AVAILABLE

Extinguishing Media:

Use water fog, foam, CO₂ or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

None known.

SECTION 5 - HEALTH EFFECTS

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

TOXICOLOGY TEST DATA

DRYING AGENT - LOW HAZARD LIQUID

POLYOL - LOW HAZARD LIQUID

CATALYST-IRRITATES SKIN, EYES, AND MUCOUS MEMBRANES

Acute Overexposure Effects:

Contact with the eyes and skin may result in irritation.

WARNING!: Avoid all contact. Chemicals similar in structure to DMTDA have been found to cause chronic organ and systemic effects and cancer in laboratory animals. To protect yourself, you must wear chemical safety goggles or equivalent eye protection, impervious gloves, and protective clothing while handling this material. In addition, you must wear a respirator if there is a potential inhalation exposure.

Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

Chronic Overexposure Effects:

The E.P.A. based the above health hazard precaution statement on conclusions drawn from analogy to 2,4-diaminoanisole (DDA), and 2,6-toluene diamine (TDA), which were found to cause chronic toxicity and/or carcinogenicity in animal studies. There are no animal carcinogenic or chronic toxicity studies on DMTDA. A two-year carcinogenicity bioassay on DMTDA is planned. The most pertinent carcinogenic study completed on DMTDA is the in-vitro cell transformation assay. A positive assay indicates carcinogenic potential. For comparison, 2,4-TDA was positive while DMTDA was negative. There are no other known chronic effects associated with this



Willamette Valley Company
660 McKinley Street
P.O. Box 2280
Eugene, OR 97402
☎ 541 484-9621
FAX 541 343-6376

Material Safety Data Sheet

MAXCAST™ CE-80HP RESIN

Product ID: 101010095

Page : 3

SECTION 5 - HEALTH EFFECTS (cont)

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. Get immediate medical attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. Get immediate medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians:

None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the Toxicological Information section for effects observed in animals.

First Aid Procedures - Special Precautions:

None

Other First Aid Procedures:

No other first aid needed.

SECTION 6 - REACTIVITY DATA

Stability Data:

Stable

Incompatibility:

Avoid moisture to protect product quality.

Conditions/Hazards to Avoid:

Exposure to moisture and temperatures 80F.

Hazardous Decomposition/Polymerization:

Hazardous decomposition products: CO and CO₂.

Corrosive Properties:

Not Corrosive.

Oxidizer Properties:

Not an oxidizer

Other Reactivity Data:

None known.

SECTION 7 - PERSONAL PROTECTION

Clothing:

Impervious gloves, coveralls, apron and boots as necessary to prevent skin contact. The following gloves have been determined to be protective: "Silver Shield", "Algonquin", neoprene rubber, "Lab Craft" PVC, Edmont Black Neoprene Style #27-840, Green Ansel Chem-Pro Neoprene Style #220.

Eyes:

Chemical goggles; also wear a face shield if splashing hazard exists. Safety glasses or goggles.



Willamette Valley Company
660 McKinley Street
P.O. Box 2280
Eugene, OR 97402
= 541 484-9621
FAX 541 343-6376

Material Safety Data Sheet

MAXCAST™ CE-80HP RESIN

Product ID: 101010095

Page : 4

SECTION 7 - PERSONAL PROTECTION (cont)

Respiration:

If inhalation exposure occurs a minimum of NIOSH category 19C air-supplied respirator must be worn.

Ventilation:

Use local exhaust to control vapors/mists.

Explosion Proofing:

None required.

Other Personal Protection Data:

Avoid contact with skin as required by good normal hygiene practices.

SECTION 8 - SPILL-LEAK/ENVIRONMENTAL

General:

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund"). Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Waste Disposal:

Under the CERCLA/RCRA regulations currently in effect, this product is not regulated as a hazardous waste or material. Wastes containing uncured DMTDA must be disposed of by incineration as an industrial waste according to good waste management practices and in compliance with applicable local, state, and federal regulations. However, incineration is not required of scrap polyurethane made by reaction of an excess of "out of condition" isocyanate prepolymer with waste curative.

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Other Spill/Leak Procedures:

No other spill procedures necessary.

SECTION 9 - STORAGE AND HANDLING

General:

Store in a ventilated storage area between 70-80F. Avoid excessive temperatures, low or high. Avoid moisture.

Other Storage and Handling Data:

No other specific storage requirements.

SECTION 10 - REGULATORY INFORMATION

TSCA Inventory Status

Listed on Inventory: YES

RCRA Haz. Waste No.: N/A

SARA TITLE III; SECTION 313: NOT LISTED

Hazard Ratings:

Health: Fire: Reactivity: Special:

HMIS 2 1 1 NA

THIS PRODUCT CONTAINS A MIXTURE OF 1,3-BENZENEDIAMINE, 2-METHYL-4,6-



Willamette Valley Company
660 McKinley Street
P.O. Box 2280
Eugene, OR 97402
☎ 541 484-9621
FAX 541 343-6376

Material Safety Data Sheet

MAXCAST™ CE-80HP RESIN
Product ID: 101010095

Page : 5

SECTION 10 - REGULATORY INFORMATION (cont)

BIS(METHYLTHIO)- AND 1,3-BENZENEDIAMINE, 4-METHYL-2,6-BIS(METHYLTHIO)- WHICH IS SUBJECT TO A SIGNIFICANT NEW USE RULE. 40 CFR 721.1525. AS SUCH, IT IS ALSO SUBJECT TO TSCA SECTION 12(b) EXPORT NOTIFICATION, AND THE MANUFACTURER OF THE MATERIAL IS SUBJECT TO SECTION 5(e) CONSENT ORDERS. THE MIXTURE IS ALSO KNOWN AS DI-(METHYLTHIO)TOULENEDIAMINE, OR DMTDA. SEE 40 CFR 721.1525 FOR ADDITIONAL INFORMATION, AND RESTRICTIONS ON USE AND DISPOSAL.

SECTION 11 - TRANSPORTATION INFORMATION

See Bill of Lading for Proper Shipping Information.

"IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL